

## A. Data Structure

1. Array
2. String
3. Linked List
4. Hash Table
5. Ordered Map
6. Stack
7. Heap
8. Tree
  - 8.1 Basic Tree
  - 8.2 Binary Indexed Tree
  - 8.3 Binary Search Tree (BST)
  - 8.4 Segment Tree

## B. Basic Algorithm

1. Recursion
2. Divide and Conquer
3. Math
4. Two Pointers
5. Search
  - 5.1 Basic Search
  - 5.2 Binary Search
  - 5.3 Depth-first Search (DFS)
  - 5.4 Breadth-first Search (BFS)
  - 5.5 Union Find Set (UFS)
6. Sort
  - 6.1 Basic Sort
  - 6.2 Topological Sort
7. Dynamic Programing (DP)
8. Design
9. Graph
  - 9.1 Geometry
10. Queue

## C. Advance Algorithm

1. Backtracking
2. Greedy
3. Trie
4. Brainteaser
5. Memorization
6. Minimax
7. Reservoir Sampling
8. Rejection Sampling
9. Random
10. Sliding Window
11. Line Sweep